

Sub A1

WHAT IS CLAIMED IS:

1. A water-metachromatic laminate comprising a support and superposingly provided thereon i) a porous resin layer which is formed of a binder resin to which a low-refractive-index pigment stands fixed dispersedly, and is opaque in a water-unabsorbed state and capable of turning transparent in a water-absorbed state and ii) a water-repellent resin layer so provided as to exist in the porous resin layer at its some area or areas in a co-existent state; the porous resin layer being so made up that its area or areas not provided with the water-repellent resin layer turn(s) transparent in a water-absorbed state so that the both layers are visually distinguishable.

2. The water-metachromatic laminate according to claim 1, wherein at least one of the porous resin layer and the water-repellent resin layer comprises any image or images selected from a letter, a mark or sign, an Arabic or Roman numeral, a spot, a line and a design.

3. The water-metachromatic laminate according to claim 1, wherein a first colored layer is provided between the surface of the support and the porous resin layer.

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CONTINUATION

4. The water-metachromatic laminate according to
claim 1, wherein a second colored layer is provided
on the water-repellent resin layer.

5 5. The water-metachromatic laminate according to
claim 4, wherein the second colored layer comprises
any image or images selected from a letter, a mark or
sign, an Arabic or Roman numeral, a spot, a line and
a design.

10 6. The water-metachromatic laminate according to
claim 1, wherein the low-refractive-index pigment
comprises a fine-particle silicic acid and the binder
resin is selected from urethane resins.

15 7. The water-metachromatic laminate according to
claim 1 or 6, wherein the low-refractive-index
pigment comprises a fine-particle silicic acid
produced by a wet process and is formulated in the
20 porous resin layer in a proportion of from 1 to 30
g/m².

25 8. The water-metachromatic laminate according to
claim 1, wherein the support comprises a cloth.

9. The water-metachromatic laminate according to
claim 8, wherein the cloth has been made

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water-repellent.

10. A process for producing a
water-metachromatic laminate, comprising the steps
5 of;

providing a porous resin layer on a support; and
thereafter applying onto the porous resin layer
a water-repelling solution containing a
water-repellent resin, by a printing, coating,
10 spraying, writing or stamping means to make the
water-repelling solution adhere to the porous resin
layer and penetrate thereinto;
followed by drying to form a water-repellent
resin layer existing in the porous resin layer in a
15 co-existent state.

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